

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"5822553".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 07:45
S2	6	("6131121" "5872982" "5822553").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 11:08
S3	13	08/719554	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 13:55
S4	1	10/264819	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 13:55
S5	1	10/634393	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 07:56
S6	18	("08/883980" "09/730011" "09/114664")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 08:47
S7	383	((LSP or LPC or (formant adj frequenc\$3) or (vocal adj tract adj resonant) or VTR) with (distance or space or gap or seperation) with (measur\$3 or calculat\$3 or determin\$3 or comput\$4 or assess\$3 or evaluat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 08:59

EAST Search History

S8	1	S7 and ((LSP or LPC or (formant adj frequenc\$3) or (vocal adj tract adj resonant) or VTR) with (close or closeness) with (mov\$3 or adjust\$3 or shift\$3 or chang\$3 or correct\$3 or relocat\$3) with (distance or space or gap or seperation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:00
S9	1	S7 and ((LSP or LPC or (formant adj frequenc\$3) or (vocal adj tract adj resonant) or VTR) with (close or closeness) with (mov\$3 or adjust\$3 or shift\$3 or chang\$3 or correct\$3 or relocat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:00
S10	20	S7 and ((LSP or LPC or (formant adj frequenc\$3) or (vocal adj tract adj resonant) or VTR) with (close or closeness))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:00
S11	19	S10 not S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:01

File 9:Business & Industry(R) Jul/1994-2007/Sep 11
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 File 15:ABI/Inform(R) 1971-2007/Sep 17
 (c) 2007 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2007/Sep 17
 (c) 2007 The Gale Group
 File 20:Dialog Global Reporter 1997-2007/Sep 19
 (c) 2007 Dialog
 File 47:Gale Group Magazine DB(TM) 1959-2007/Sep 05
 (c) 2007 The Gale group
 File 75:TGG Management Contents(R) 86-2007/Sep W1
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 File 80:TGG Aerospace/Def.Mkts(R) 1982-2007/Sep 11
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 File 112:UBM Industry News 1998-2004/Jan 27
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 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2007/Sep 13
 (c) 2007 The Gale Group
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 File 620:EIU:Viewswire 2007/Sep 03
 (c) 2007 Economist Intelligence Unit
 File 613:PR Newswire 1999-2007/Sep 19
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 File 624:McGraw-Hill Publications 1985-2007/Sep 17
 (c) 2007 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2007/Sep 18
 (c) 2007 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2007/Sep 19
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 (c) 2007 CMP Media, LLC
 File 696:DIALOG Telecom. Newsletters 1995-2007/Sep 19
 (c) 2007 Dialog

File 674:Computer News Fulltext 1989-2006/Sep W1

(c) 2006 IDG Communications

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30

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Set	Items	Description
S1	28484	FORMANT(3N)FREQUENC??? OR LINEAR()SPECTRUM()PAIR? ? OR LSP OR LINER()PREDICTION()COEFFICIENT? ? OR LPC OR VOCAL()TRACT()- RESONANT? ? OR VTR
S2	2256446	DISTANCE? ? OR SPACING? ?
S3	149357	S2(7N)(CLOSE OR CLOSER OR NEAR??? OR SMALL??? OR LESS OR M- IN OR MINIMUM OR LESS?? OR LOWER OR LEAST OR MINIMAL)
S4	495266	THRESHOLD? ?
S5	221734	(S2 OR S3)(7N)(ADJUST? OR REDUC? OR MINIMIZ???? OR MINIMIS- ??? OR DECREAS? OR LESSENING OR LESSEN OR SHORT? OR CUT OR CU- TS OR CUTTING OR MODIF? OR ADAPT? OR ALTER? OR CHANG? OR CO- NVERT? OR CORRECT? OR MANIPULAT?)
S6	1515803	SPEECH? ?
S7	271	AU=(SAITO, M? OR SAITO M?)
S8	0	S7 AND S1
S9	30	S1(S)S3
S10	9	S9(S)S5
S11	7	S10 NOT PY=>2003
S12	7	RD (unique items)
S13	1	S12 NOT (CHILE?? OR WELLES)
S14	455	S1(S)S6
S15	0	S14(S)S5

13/3,K/1 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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04026100 SUPPLIER NUMBER: 18631965

A paired comparison method for interval scaling.

Turner, Aric D.

Human Factors, v38, n2, p362(13)

June, 1996

ISSN: 0018-7208 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6124 LINE COUNT: 00488

... a result of the extended distances between the ratio scale values there. In addition, the **reduced distances** between the scale values at the **lower** end of the rank order increase Type II errors when comparing scale values at that...

...linear regression, the result would be very close to the scale values produced by the **LPC** method (ILLUSTRATION FOR FIGURE 12 OMITTED). Because the **LPC** method can be manipulated by addition, subtraction, multiplication, and division, the **LPC** analytic method can produce interval scale values for all exponential and interval data.

It was...

?

File 2:INSPEC 1898-2007/Sep W2
(c) 2007 Institution of Electrical Engineers
File 6:NTIS 1964-2007/Sep W3
(c) 2007 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1884-2007/Sep W2
(c) 2007 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2007/Sep W4
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File 95:TEME-Technology & Management 1989-2007/Sep W3
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File 144:Pascal 1973-2007/Sep W1
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2007/Sep 16
(c) 2007 ProQuest Info&Learning

Set	Items	Description
S1	21174	FORMANT(3N)FREQUENC??? OR LINEAR()SPECTRUM()PAIR? ? OR LSP OR LINER()PREDICTION()COEFFICIENT? ? OR LPC OR VOCAL()TRACT()- RESONANT? ? OR VTR
S2	1336281	DISTANCE? ? OR SPACING? ?
S3	140031	S2(7N)(CLOSE OR CLOSER OR NEAR??? OR SMALL??? OR LESS OR M- IN OR MINIMUM OR LESS?? OR LOWER OR LEAST OR MINIMAL)
S4	681372	THRESHOLD? ?
S5	12842	S3(7N)(ADJUST? OR REDUC? OR MINIMIZ???? OR MINIMIS- ??? OR DECREAS? OR LESSENING OR LESSEN OR SHORT? OR CUT OR CU- TS OR CUTTING OR MODIF? OR ADAPT? OR ALTER? OR CHANG? OR CO- NVERT? OR CORRECT? OR MANIPULAT?)
S6	357902	SPEECH? ?
S7	13784	AU=(SAITO, M? OR SAITO M?)
S8	7	S7 AND S1
S9	0	S8 AND (S3 OR S5)
S10	0	S8 AND S2
S11	6	S1 AND S5
S12	4	S11 NOT PY=>2003
S13	3	RD (unique items)
S14	75	S1 AND S3

S15 3 S14 AND S4
 S16 3 S15 NOT S13
 S17 1 S16 NOT PY=>2003
 S18 51 S14 AND S6
 S19 7 S18 AND (AJUST? OR REDUC? OR CHANG?)
 S20 5 S19 NOT (S17 OR S13)
 S21 3 S20 NOT PY=>2003
 S22 3 RD (unique items)

13/9,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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05973297 INSPEC Abstract Number: B9507-6130-080, C9507-1250C-053

Title: Closed-phase glottal inverse filtering by means of a compound auto-regressive model

Author(s): Schoentgen, J.; Azami, Z.

Author Affiliation: Inst. of Phonetics, Univ. Libre de Bruxelles, Belgium
p.209-12

Publisher: IDIAP, Martigny, Switzerland

Publication Date: 1994 Country of Publication: Switzerland xii+238
pp.

Conference Title: Proceedings of Workshop on Automatic Speaker Recognition, Identification and Verification

Conference Date: 5-7 April 1994 Conference Location: Martigny, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T); Experimental (X)

Abstract: The article concerns techniques for obtaining, representing and comparing voice source signals. Closed-phase **formant frequencies** and bandwidths were estimated by fitting two linear auto-regressive models to a glottal cycle (the first to the open, the second to the closed phase). The moment of switching from one sub-model to the next was automatically determined by minimizing the overall modelling error. The voice source signal was obtained by inverse filtering speech by means of the closed-phase formants. Its spectrum was represented by a nonlinear zero-memory Volterra model. Two source signals were compared by means of their **minimal spectral distance** which was obtained by **adjusting** the nonlinear gain of the Volterra model. (6 Refs)

Subfile: B C

Descriptors: acoustic analysis; autoregressive processes; filtering theory; frequency estimation; signal representation; speaker recognition; speech processing

Identifiers: closed-phase glottal inverse filtering; compound auto-regressive model; voice source signals; closed-phase **formant frequencies**; closed-phase formant bandwidths; linear auto-regressive models; sub-model; overall modelling error; inverse filtering; nonlinear zero-memory Volterra model; minimal spectral distance; nonlinear gain; speaker recognition

Class Codes: B6130 (Speech analysis and processing techniques); C1250C (Speech recognition); C5260S (Speech processing techniques)

Copyright 1995, IEE

Abstract: The article concerns techniques for obtaining, representing and comparing voice source signals. Closed-phase **formant frequencies** and bandwidths were estimated by fitting two linear auto-regressive models to a

File 348:EUROPEAN PATENTS 1978-2007/ 200737

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File 349:PCT FULLTEXT 1979-2007/UB=20070913UT=20070906

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Set	Items	Description
S1	12549	FORMANT(3N)FREQUENC??? OR LINEAR()SPECTRUM()PAIR? ? OR LSP OR LINER()PREDICTION()COEFFICIENT? ? OR LPC OR VOCAL()TRACT()- RESONANT? ? OR VTR
S2	710935	DISTANCE? ? OR SPACING? ?
S3	156738	S2(7N)(CLOSE OR CLOSER OR NEAR??? OR SMALL??? OR LESS OR M- IN OR MINIMUM OR LESS?? OR LOWER OR LEAST OR MINIMAL)
S4	191098	THRESHOLD? ?
S5	172129	(S2 OR S3)(7N)(ADJUST? OR REDUC? OR MINIMIZ???? OR MINIMIS- ??? OR DECREASES? OR LESSENING OR LESSEN OR SHORT? OR CUT OR CU- TS OR CUTTING OR MODIF? OR ADAPT? OR ALTER? OR CHANG? OR CO- NVERT? OR CORRECT? OR MANIPULAT?)
S6	41666	SPEECH? ?
S7	1134	AU=(SAITO, M? OR SAITO M?)
S8	6	S7 AND S1
S9	0	S8(S)(S3 OR S5)
S10	167	S1(S)S3
S11	29	S10(S)S5
S12	15	S11(S)S6
S13	13	S12 NOT AD=20020929:20070919/PR
S14	75	S10(S)S6
S15	3	S14(S)S4
S16	3	S15 NOT S13
S17	2	S16 NOT AD=20020929:20070919/PR
S18	18	S14(15N)(ADJUST? OR REDUC? OR MINIMIZ? OR MINIMIS? OR DECR- EAS? OR SHORT?)
S19	12	S18 NOT (S17 OR S13)
S20	9	S19 NOT AD=20020929:20070919/PR
S21	20	S1(10N)S5
S22	17	S21 NOT (S20 OR S13 OR S17)
S23	12	S22 NOT AD=20020929:20070919/PR
S24	8	S23 NOT (PRINTER OR CASSETTE OR LASER)

13/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01267219

**Method and apparatus for dynamic segmentation of a low bit rate digital
voice message**

**Verfahren und Vorrichtung zur dynamischen Sprachsegmentierung einer mit
niedriger Bitrate kodierten Sprachnachricht**

**Procede et dispositif pour la segmentation dynamique d'un message vocal
code a bas debit**

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,
(US), (Applicant designated States: all)

INVENTOR:

Satyamurti, Sunil, 6845 Blue Bay Circle, Lake Worth, FL 33467, (US)

Finlon, Kenneth, 15653 Bent Creek Road, Wellington, FL 33414, (US)

Huang, Jian-Cheng, 7074 Catalina Isle, Lake Worth, FL 33467, (US)

File 344:Chinese Patents Abs Jan 1985-2006/Jan
(c) 2006 European Patent Office
File 347:JAPIO Dec 1976-2007/Mar(Updated 070809)
(c) 2007 JPO & JAPIO
File 350:Derwent WPIX 1963-2007/UD=200757
(c) 2007 The Thomson Corporation

Set	Items	Description
S1	109725	FORMANT(3N)FREQUENC??? OR LINEAR()SPECTRUM()PAIR? ? OR LSP OR LINER()PREDICTION()COEFFICIENT? ? OR LPC OR VOCAL()TRACT()- RESONANT? ? OR VTR
S2	849741	DISTANCE? ? OR SPACING? ?
S3	114335	S2(7N)(CLOSE OR CLOSER OR NEAR??? OR SMALL??? OR LESS OR M- IN OR MINIMUM OR LESS?? OR LOWER OR LEAST OR MINIMAL)
S4	225271	THRESHOLD? ?
S5	150668	(S2 OR S3)(7N)(ADJUST? OR REDUC? OR MINIMIZ???? OR MINIMIS- ??? OR DECREAS? OR LESSENING OR LESSEN OR SHORT? OR CUT OR CU- TS OR CUTTING OR MODIF? OR ADAPT? OR ALTER? OR CHANG? OR CO- NVERT? OR CORRECT? OR MANIPULAT?)
S6	86216	SPEECH? ?
S7	31007	AU=(SAITO, M? OR SAITO M?)
S8	303	S7 AND S1
S9	7	S8 AND S3
S10	7	S9 NOT AD=20020929:20070919/PR
S11	306	S1 AND S3
S12	61	S11 AND S5
S13	2	S12 AND S4
S14	2	S13 NOT S10
S15	2	S14 NOT AD=20020929:20070919/PR
S16	9	S12 AND S6
S17	8	S16 NOT (S15 OR S10)
S18	7	S17 NOT AD=20020929:20070919/PR
S19	483	S1 AND S5
S20	13	S19 AND S6
S21	5	S20 NOT (S18 OR S15 OR S10)
S22	3	S21 NOT AD=20020929:20070919/PR

10/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07973343 **Image available**
VOICE PROCESSING DEVICE AND MOBILE COMMUNICATION TERMINAL DEVICE

PUB. NO.: 2004-086102 [JP 2004086102 A]
PUBLISHED: March 18, 2004 (20040318)
INVENTOR(s): SAITO MUTSUMI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2002-250362 [JP 2002250362]
FILED: August 29, 2002 (20020829)

INVENTOR(s): SAITO MUTSUMI

ABSTRACT